

DEPARTMENT OF CHEMISTRY
College of Arts and Sciences • U.P. Visayas

BACHELOR OF SCIENCE IN CHEMISTRY

Name: _____ Student No. _____

FIRST YEAR

<i>Grades</i>	<i>First Semester</i>	<i>UNITS</i>	<i>PREREQUISITE</i>
_____	GE AH 1 _____	3	
_____	GE SSP 1 _____	3	
_____	Chem 16 (General Chemistry I)	5	Co-requisite Math 17 or equiv
_____	Math 17 (Algebra and Trigonometry)	5	
_____	Math 152* (Intro to Comp Software Application)	3	
_____	PE I (Foundation of Physical Fitness)	(2)	
_____	NSTP	(3)	
		19	
	<i>Second Semester</i>		
_____	GE AH 2 _____	3	
_____	GE SSP 2 _____	3	
_____	Chem 17 (General Chemistry II)	5	Chem 16 & Math 17 or equiv.
_____	Math 53 (Elementary Analysis I)	5	Math 17 or equivalent
_____	Math 101 (Elementary Statistics)	3	Math 17 or equivalent
_____	P.E.	(2)	
_____	NSTP	(3)	
		19	

SECOND YEAR

	<i>First Semester</i>		
_____	GE SSP 3 _____	3	
_____	GE MST 1 _____	3	
_____	Math 54 (Elementary Analysis II)	5	Math 53
_____	Chem 28 (Quantitative Inorg. Analysis)	3	Chem 17
_____	Chem 28.1 (Quantitative Inorg. Anal Lab)	2	Co-requisite Chem 28
_____	Phy 74 (Foundation of Physics I)	4	Math 17 or equivalent
_____	PE	(2)	
		20	
	<i>Second Semester</i>		
_____	GE AH 3 _____	3	
_____	GE SSP 4 _____	3	
_____	Chem 33 (Organic Chemistry I)	3	Chem 17
_____	Chem 33.1 (Organic Chemistry II)	2	Co-requisite Chem 33
_____	Phy 75 (Foundation of Physics II)	4	Phy 74
_____	Biology 10 (General Biology)	5	
_____	PE	(2)	
		20	

THIRD YEAR

	<i>First Semester</i>		
_____	GE AH 4 _____	3	
_____	Phy 76 (Foundation of Physics III)	4	Physics 75
_____	Chem 34 (Organic Chemistry II)	3	Chem 33 and Chem 33.1
_____	Chem 34.1 (Organic Chemistry II lab)	2	Corequisite: Chem 34
_____	Chem 116 (Physical Chemistry I)	5	Chem 28, Chem 28.1, Math 54, Physics 75
		17	

Second Semester	UNITS	PREREQUISITE
GE AH 5 _____	3	
Geology 11 _____	3	
Chem 117 (Physical Chemistry II) _____	5	Chem 116
Chem 126 (Instrumental Methods) _____	5	Chem 28, 31/34
Elective _____	3	
	19	

SUMMER

Chem 191 (Practicum) _____	5	Consent of Adviser
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FOURTH YEAR

First Semester

Chem 189 (Found. of Envi Chem.) _____	3	Chem 34, 34.1
Chem 115 (Inorganic Chemistry) _____	3	Chem 117
Chem 190 (Seminar) _____	1	Senior Standing
Chem 145 (Biochemistry) _____	3	Chem 28, Chem 34
Chem 145.1 (Biochemistry lab) _____	2	
Bio 120 (General Microbiology) _____	3	
Bio 120.1 (General Microbiology Lab) _____	2	
	17	

Second Semester

Elective _____	3	
Chem 200 (Undergraduate Thesis) _____	3	Consent of the Adviser
GE SSP 5 _____	3	Senior standing
GE MST 2 _____	3	
P.I. 100 (Life, Works of Rizal) _____	3	Senior standing
	15	

TOTAL 151 units

Chemistry Electives:

	Units	Prerequisite
Chem 181 (Applied Chemistry)	- 3 units	Chem 28 and Chem 31
Chem 182 (Polymer Chemistry)	- 3 units	Chem 34/33
Chem 183 (The Chemistry and Processing of Sugar)	- 3 units	Chem 34
Chem 184 (Chemistry of Food and Food Products)	- 3 units	Consent of instructor
Chem 185 (Chemistry of Natural Products)	- 3 units	Chem 145 & Chem 145.1
Chem 186 (Aquatic Chemistry)	- 3 units	Chem 17
Chem 187 (Soil Chemistry)	- 3 units	Chem 17
Chem 188 (Chemical Toxicology)	- 3 units	Chem 145, Bio 120/ Consent of instructor

* or any 3-unit computer course

Note: In the AH domain, 6 units of communication courses, 3 units of which must be written communication (e.g. Eng 2, Comm II, Comm I)

The G.E. courses must include 3 units of Philippine Studies in any domain (e.g. Hist 1, Lit 1)

Revision: Approved: UPV-CC, April 10, 2003

(Revised to incorporate Revitalized General Education Program (RGEP) and the National Service Training Program (NSTP) courses)

Implemented : FS 2003-2004

DO NOT ENROLL IN MATH 1, NAT SCI 1, NAT SCI 2